

ARGUNOV, Pavel Pavlovich, prof., doktor tekhn.nauk; MKHITARYAN, A.M.,
spets.red.; REZNICHENKO, I.Ye., red.; ROZHAVINA, A.L., red.;
YUNOVSKIY, Ye.B., tekhn.red.

[Hydroelectric power stations; principles of the utilization
of water power] Gidroelektrostantsii; osnovy ispol'zovaniia
vodnoi energii. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.
USSR, 1960. 452 p. (MIRA 13:10)
(Hydroelectric power stations)

ROZHAVSKIY, G. S., and ZIMAKOV, I. Ye.

"Method of repeated radioactive dilution for the determination of small admixtures (of the order of 10^{-4} to 10^{-7})."

report presented at The Use of Radioactive Isotopes in Analytical Chemistry, Conference in Moscow, 2-4 Dec 1957.

Vestnik Ak Nauk SSSR, 1958, No. 2, (author Rodin, SS)

AUTHORS: Zimakov, I. Ye., Rozhavskiy, G. S. SOV/32-24-8-2/43

TITLE: The Method of Multiple Radioactive Dilution for Determining Trace Amounts in Mixtures (Metod mnogokratnogo radioaktivnogo razbavleniya dlya opredeleniya malykh primesey)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr. 3, pp. 922-925
(USSR)

ABSTRACT: Previous methods of using radioactive dilution for determining trace amounts in mixtures have had a certain disadvantage. The specific activity and the amount of the isolated substance have had to be determined by an analytical method. In this paper a method is described which eliminates this disadvantage. This determination involves adding two different amounts m_1 and m_2 of the radioactive isotope of the substance x being determined to two similar solutions of this substance. By withdrawing equal amounts of substance y the concentration of the substance x to be analysed can be calculated according to the activity. The paper gives the formula for calculating the concentration, and gives several other equations as well. If the weighed amount of the sample to be analysed and the specific activity of the preparation are increased the ad-

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The Method of Multiple Radioactive Dilution
for Determining Trace Amounts in Mixtures

SOV/32-24-8-2/43

mixture can be determined in the order of magnitude of 10^{-5} to 10^{-7} % with an accuracy of about 10 %. A method of determining trace amounts of antimony in lead was worked out. The main problem here was to find a way by which small and equal amounts of the substance to be analysed could be separated from solutions of different concentrations. The most suitable method found for this purpose was extraction of the antimony-methylviolet complex compound with toluene. The optimal acidity of the antimony solution was found to be 1:9 in HCl. A procedure as well as tables of results obtained are given.

There are 2 tables.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov
(State Scientific Research Institute for Non-ferrous Metals)

Card 2/2

Rozhavskiy G.S.

S/137/62/000/001/006/237
A060/A101

AUTHORS: Gruzin, P.L., Babikova, Yu.F., Gerasimchuk, G.S., Lebedev, A.K.,
Rozhavskiy, G.S. Fedorov, G.B.

TITLE: The present state and future plans for the application of radioactive isotopes and nuclear radiations in metallurgy and mining industry

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 1, 1962, 6, abstract 1V42
(V sb. "Radioakt. izotopy i yadern. izlucheniya v nar. kh-ve SSSR,
v. 3", Moscow, Gostoptekhizdat, 1961, 117 - 125)

TEXT: Radioactive isotopes are used at the Kuznetsk, Magnitogorsk, Donetskiy, Makeyevka plants, and also at "Azovstal'", the plant imeni Dzerzhinskii, and others. The most promising directions of research are as follows: 1) the determination of the technological characteristics of steel smelting furnaces; 2) the study and control of the process of metal deformation; 3) the elaboration of special radiometric and activation methods for determining the degree of im-

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The present state and future plans ...

S/137/62/000/001/006/237
A060/A101

purity contamination of metals and semiconductors; 4) the study of the distribution of elements in diffusion microvolumes, of destruction processes, of loss of strength in metals, etc.

N. Yudina

[Abstracter's note: Complete translation]

Card 2/2

ROZHAVSKIY, G.S.

Studying processes taking place during the removal of
bismuth from lead. TSvet. met. 34 no.6:13-22 Je '61.

(MIRA 14:6)

(Lead—Metallurgy)
(Bismuth)

Rozhavskiy, G.S.

✓ Kinetics of formation of sulfide films on the surface of oxidized minerals of heavy metals in flotation. S. I. Mitrofanov, I. A. Strigin, V. G. Kushnikova, and G. S. Rozhavskiy (State Sci. Research Inst. Non-ferrous Metals, Moscow) (*Kolloid. Zhezir.* 17, 295-44 [1955]). — The uptake Γ (because of ion exchange) of S^{2-} from a soln. of Na_2S by cerussite (I), malachite (II), and chrysocolla (III) increased with time t and concn. c of Na_2S according to $\Gamma = at^m$ and $\Gamma = bc^m$, where t was 10-300 sec., c was 0.02-0.6 g./l., and Γ was less than 20 mg./g. For I, m and b usually were -0.5 , i.e. the rate of sulfide film formation was detd. by diffusion; only at low temp. and low c , m was about 0.3, i.e. was detd. by chem. reaction. The rate $d\Gamma/dt$ was greater the higher the temp., and the apparent rate of activation was 4500 and 5000 cal./mole for I and II, resp., between 4° and 70°. The Γ on I had a max. near pH 9.6, presumably because of formation of colloidal PbS at higher pH, while Γ on II and III decreased when pH increased from 8 to 11. The sulfide film on I was gradually removed by agitation in tap water, more at pH 8 than at pH 10, and especially when the liquid contained quartz sand. The amt. of S taken up by 1 sq. cm. of II or III in the usual conditions of flotation was 0.013 and 0.003 mg., resp.

J. J. Bikerman

(3)
D
9/9/1

ZIMAEV, I.Ye.; ROZHAVSKIY, G.S.

Method of multiple radioactive dilution for the determination of
small quantities of admixtures. Trudy kom.anal.khim. 9:231-239
'58. (MIRA 11:11)

(Radiochemistry)

ZIMAKOV, I.Ye.; ROZHAVSKIY, G.S.

Multiple radioactive dilution method for determining small amounts of impurities. Zav. lab. 24 no.8:922-925 '58. (MIRA 11:8)

1.Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov.

(Tracers (Chemistry)) (Antimony--Analysis)
(Lead--Analysis)

Rozhavskiy, G. S.

5

✓ Kinetics of formation of sulfide films on the surface of oxidized minerals of heavy metals in flotation. S. I. Mitrinov, I. A. Stukin, V. G. Kusnitskova, and G. S. Rozhavskiy. *Colloid J. (U.S.S.R.)* 17, 215-29 (1955) (Eng. trans., H. L. H. (3))

MITROFANOV, S.I.; STRIGIN, I.A.; KUSHNIKOVA, V.G.; ROZHAVSKIY, G.S.

Kinetics of the formation of sulfide films on the surface of
oxidized heavy-metal minerals during flotation. Koll. zhur.
17 no.3:235-241 My-Je '55. (MIRA 8:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvet-
nykh metallov, Moskva.
(Films (Chemistry)) (Flotation) (Sulfides)

S/137/61/000/012/049/149
A006/A101

AUTHORS: Smirnov, M. P., Rozhavskiy, G. S.

TITLE: Using radioactive isotopes to investigate the behavior of antimony in fine debismuthization, and the behavior of zinc in desilverization of lead.

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 32, abstract 129226 ("Sb. tr. Gos. n.-i. in-t tsvetn. met", 1959, no. 15, 216 - 232)

TEXT: The behavior of Sb during fine debismuthiazation of Pb was studied under industrial conditions (150-ton boiler) by the method of marked atoms (Sb^{124} with a half-life of 60 days). It was shown that the behavior of Sb, specially introduced into the process, and of Sb; operating with Pb, is different during debismuthization. The Sb supplied is practically entirely transferred into Bi-Sb dross (98.4 - 99.9%). A debismuthizing effect is merely exerted by Sb metal newly added. The degree of Bi transition into dross is proportional to the extraction from the dross of Sb and alkali-earth metal. Neither metallic Sb (introduced

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Using radioactive isotopes to...

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prior to the desilverization process) nor ore-Sb participate in desilverization and are fully preserved in Pb. A balance is given of Zn distribution during desilverization of Pb.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

SMIRNOV, M.P.; ROZHAVSKIY, G.S.

Investigating by means of radioactive isotopes the behavior of
antimony in bismuth removal and the behavior of zinc in silver
removal from lead. Sbor. nauch. trud. GIINTSVETMET no.15:216-
232 '59. (MIRA 14:4)

(Nonferrous metals--Metallurgy)

(Chemistry, Metallurgic)

(Radioisotopes--Industrial applications)

VOLOSOV, N.S., inzhener; MAYOROV, B.A., inzhener; ROZHAVSKIY, I.M.,
inzhener.

Automatic control of the process of the heat and steam
treatment in autoclaves. Stroi.pred.neft.prom. 1 no.8:
8-10 O '56.

(MLRA 9:12)

(Lightweight concrete) (Automatic control)

ROZHAVSKIY, I.M., inzhener

Electrical conductivity of slurries. TSement 21 no.4:27 Ag'55.
(MLRA 8:11)

1. Vniistrommash
(Leningrad--Cement--Electric properties)

POKHVISNEV, A.N.; ROZHAVSKIY, L.I.; ZHILKIN, N.K.

Automatic control of the blast furnace process. Stal' 23
no.10:875-878 O '63. (MIRA 16:11)

l. Moskovskiy institut stali i splavov i Lipetskiy filial
Moskovskogo instituta stali i splavov.

Rozhavskiy, S.M.

2

611.314.23
1318. ON DETERMINING THE PARAMETERS OF THE TRANSFORMING ELEMENTS IN A SINGLE-TO-THREE-PHASE TRANSFORMING SYSTEM. S.M.Rozhavskiy.

Dokl. Akad. Nauk SSSR, Vol. 110, No. 5, 188-90 (1958). In Russian.

A previous contribution by P.L.Kalantsov and L.A.Tseitin (Dokl. Akad. Nauk SSSR, Vol. 93, No. 8, 1448) gave an expression for the ratio between the stored and transversed volt amperes in the case of a balanced load of unity power factor. The present note derives general formulae for the values of inductance and capacitance in the classical Boucherot circuit showing that the previous relation is valid also for balanced loads of any power factor

S.C.Dunn

pow air

ROZHAVSKIY, S.M.

"Experience in Adjusting and Switching on Arc-Quenching Coils in a Circuit,"

Elek. Stan., no. 11, 1949. Engr.

ROZHAVSKY, S.M.

ROZHAVSKY, S.M.: "Unsymmetrical exploitation systems and techniques of operating electric-power systems". Moscow, 1955. Min Higher Education USSR. Moscow: Order of Lenin Power Engineering Inst imeni V.M. Molotov. (Dissertations for the Degree of Candidate of Technical Sciences).

SO: Knizhnaya letosis' No 45, 5 November 1955. Moscow.

ROZHAVSKIY, S.M.

USSR/Electricity - Insulators

Jun 51

"Some Methods of Preventing the Collection
of Dirt on Insulators," S. M. Rozhavskiy,
Engr, Khar'kov

"Elektrичество" No 6, pp 64, 65

Examines some methods used in Soviet and
foreign power systems of preventing the
collection of dirt on insulators in open
high-voltage distribution installations.
These include manual cleaning of the in-
sulation, washing under voltage, and use
of protective fittings. Discusses methods

200718

USSR/Electricity - Insulators (Contd) Jun 51

for detg the intensity of dirt collection
and changes of the surface cond of the in-
sulators. Submitted 9 Feb 51.

200718

ROZHAVSKIY, S.M., kand.tekhn.nauk

Designing compensating resistors for circuits of generators
operating under nonsymmetrical conditions. Trudy VZETI no.9:
86-88 '58. (MIRA 12:10)
(Electric resistors) (Electric generators)

ROZHAVSKIY, S.M., kand.tekhn.nauk

Practical criterion of the possibility of connecting a large single-phase load to an electric system at a given point in the net.
Izv.vys.ucheb.zav.; energ. 3 no.4:1-3 Ap '60.
(MIRA 13:6)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
Predstavlena kafedroy gorodskoy energetiki i transporta.
(Electric power distribution)

ROZHAVSKIY, S.M., dotsent, kand.tekhn.nauk

Questions of the nonsymmetry of currents and voltages at matched
substations supplying power to a district load and electric
powered transportation with single-phase a.c. current of industrial
frequency. Izv. vys. ucheb. zav.; energ. 3 no. 7:33-41 J1 '60.
(MIRA 13:8)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
Predstavlena kafedroy gorodskoy energetiki i transporta.
(Electric power distribution)
(Electric railroads)

ROZHAVSKIY, S.M., kand.tekhn.nauk, dotsent

Certain problems in power engineering arising in switching over
municipal electric transportation to a.c. power with a commercial
frequency. Izv. vys. ucheb. zay.; energ. 4 no.7:52-60 Jl '61.

(MIRA 14:7)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
Predstavlena kafedroy gorodskoy energetiki i transporta.

(Electric power distribution)
(Street railways)

ROZHAVSKIY, S.M., dotsent, kand.tekhn.nauk

Concerning V.G.Kitushin's remarks on the article "Practical criterion
of the possibility of connecting a large single-phase load to an
electric-power system at a given point in the network. Izv.vys.ucheb.
zav.; energ. 4 no.4:126-127 Ap '61. (MIRA 14:5)
(Electric power distribution)

ROZHAVSKIY, Semen Mikhaylovich, kand.tekhn.nauk, dotsent

Static converters of a single-phase system to a symmetric
three-phase system. Izv. vys. ucheb. zav.; elektromekh.
4 no.3:84-97 '61. (MIRA 14:7)

1. Kafedra gornoj energetiki i transporta Khar'kovskogo
instituta inzhenerov kommunal'nogo stroitel'stva.
(Electric power distribution)
(Electric railroads—Current supply)

ROZHAVSKIY, S.M., kand.tekhn.nauk, dotsent

Certain problems concerning the supply of electric power to consumers
from electrified railroad districts using commercial frequency a.c.
Izv. vys. ucheb. zav.; energ. 4 no.10:46-51 O '61. (MIRA 14:11)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
Predstavlena kafedroy gorodskoy energetiki i transporta.
(Electric power distribution) (Electric railroads--Current supply)

ROZHAVSKIY, S.M. [Rozhav's'kyi, S.M.]; MAKHOVA, V.A. [Makhova, V.O.]

Problems of joint electric power supply in converting the traction networks of mine haulage to industrial-frequency alternating current. Dop. AN URSR no.11:1490-1494 '61. (MIRA 16:7)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
(Mine haulage)

ROZHAVSKIY, S. P., kand.tekhn.nauk, dotsent

More about electric power supply of consumers in conjunction
with railroad electrification using commercial frequency a.c.
Izv. vys. ucheb. zav.; energ. 5 no. 8;117 Ag '62.
(MIRA 17:7)

I. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.

ROZHAVSKIY, S.M., kand.tekhn.nauk, dotsent; ISAYENKO, A.V., inzh.; MAKHOVA,
V.A., inzh.

Concerning a certain possibility for automating unattended single-transformer substations with limited power output and electric cutouts in the output feeder lines. Izv. vys. ucheb. zav.; energ. 5 no.2:12-13 F '62. (MIR^A 15:3)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
Predstavlena kafedroy gorodskoy energetiki i transporta.
(Electric substations) (Automatic control)

ROZHAVSKIY, S.M., kand.tekhn.nauk, dotsent

Use of a physical model in studying the effect of an urban single-phase electric transportation system with commercial frequency on the power distribution network. Izv. vys. ucheb. zav.; energ. 6 no.5:37-45 My '63. (MIRA 16:7)

1. Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva.
(Electric power distribution) (Street railways)

ROZHAVSKIY, S.M., kand. tekhn. nauk, dotsent

General method for the probability evaluation of the duration
of nonsymmetry in the busbars of transformer substations feed-
ing single-phase transmission lines in a "single-wire and
ground" system. Izv. vys. ucheb. zav. energ. 7 no.6:101-105
Je '64 (MIRA 17:8)

1. Khar'kovskiy institut mekhanizatsii i elektrifikatsii
sel'skogo khozyaystva.

ROZHAVSKIY, S.M., kand. tekhn. nauk, dotsent

Methodology for calculating the magnetic effects of nonbalanced
electric power transmission lines on underground metal pipelines.
Izv. vys. ucheb. zav.; energ. 7 no.10:91-96 O '64.

(MIRA 17:12)

1. Khar'kovskiy institut mekhanizatsii i elektrifikatsii sel'skogo
khozyaystva. Predstavlena kafedroy proizvodstva i raspredeleniya
elektronenergii v sel'skom khozyaystve.

ROZHAVSKIY, S.M., kand. tekhn. nauk, docent

Nomogram for calculating a nonsymmetrically loaded three-phase line
with isolated neutral. Izv. vys. ucheb. zav.; energ. 8 no.6:93-94
Je '65. (MIRA 18:7)

1. Khar'kovskiy institut mekhanizatsii i elektrifikatsii sel'skogo
khozyaystva.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001445710005-4

ROZHAVSKIY, S.M., kand. tekhn. nauk; IL'CHENKO, B.M., inzh.

Device for determining initial conditions in mathematical
modeling. Energ. i elektrotekh. prom. no.4:10-11 O-D '65.
(MIRA 19:1)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001445710005-4"

ROZHAYEV, V., mekhanik-nastavnik

Scientific and technical conference in Leningrad. Rech. transp.
21 no.8:49 Ag '62. (MIRA 18:9)

1. Irtyshskoye basseynovoye upravleniye puti.

MATYKOV, A.P., starshiy inzh.; ROZHAYEV, V.I., mekhanik-nastavnik

Over-all mechanization of transportations in barges. Proizv.-tekhn.
sbor. no.4:62-67 '59. (MIRA 13:10)

1. Irtyshskoye basseynovoye upravleniye puti.
(Inland water transportation) (Barges)

RozhayeVA N.S.

Country : USSR T
Category : Human and Animal Physiology.
Abs. Jour. : The Nervous System. Blood Supply.
Ref Zhur-Biol., No 23, 1958, 106-13
Author : RozhayeVA, N. S.
Institut. : -
Title : The Problem of Regional Cerebrovascular Pathology.
Orig Pub. : V sb.: Aktual'n probl. nevropatol. i psikhia-trii. Kuybyshev, 1957, 82-34
Abstract : Retinal arterial pressure was determined with the method of tonoscopy in 45 patients with diseases pertaining to the cerebrovascular system. In instances in which hemorrhages have occurred recently and in hypertonia accompanied by vascular crises, a 0.7-0.9 increase of the absolute retinal pressure figures and of its index in relation to brachial artery pressure was observed (0.5 being the normal index). Inter-hemispheric asymmetries of retinal pressure

Chair of Nervous Diseases, Kuybyshev State Med. Inst.

ISAAKYAN, L.A., BOZHAYYA, G.G., MASLENNIKOVA, L.S.

Species characteristics of thermogenesis following hypothermia in rodents. Zhur. evol. zhivot. i fiziol. 1 no. 3:419-424. N.Y. '65.
(MIRA 18:10)

L. Gruppa fizioligii gazoobmena laboratorii ekologicheskoy
fizioligii Instituta fizioligii imeni Pavlova AN SSSR, Leningrad.

I 5417-66 EWT(1)/FS(v)-3 DD

ACC NR: AP5025672

SOURCE CODE: UR/0385/65/001/005/0419/0424
26
3

AUTHOR: Isaakyan, L. A.; Rozhayya, D. A.; Maslennikova, L. S.

ORG: Group on the Physiology of Gas Exchange, Ecophysiology Laboratory, Institute of Physiology im. I. P. Pavlov, AN SSSR, Leningrad (Gruppa fiziologii gazoobmena latoratorii ekologicheskoy fiziologii Instituta fiziologii AN SSSR)

TITLE: Species-specific characteristics of heat production in rodents following hypothermia

SOURCE: Zhurnal evolyutsionnoy biokhimii i fiziologii, v. 1, no. 5, 1965, 419-424

TOPIC TAGS: animal physiology, hypothermia, thermogenesis, rat, mouse, hamster

ABSTRACT: The thermogenetic capacity was investigated in some rodent species while warming up after hypothermia. White rats (*Rattus norvegicus* Berkenh.), white mice (*Mus musculus* L.), golden hamsters (*Mesocricetus auratus* Wath.), and field mice (*Stenocranius gregalis* Pall.) were used. Hypothermia was induced by a combination of hypercapnia and cooling. The oxygen consumption of animals, determined in an exsiccator, was used as an index of their heat production. It was found that the comparative thermogenetic characteristics of these animals during lethargic hypothermia (defined as a body temperature of 16–20°C) and during spontaneous reanimation correspond to species-specific characteristics under normal heat conditions. Recovery of body temperature in all four species occurs in a similar manner, but with dif-

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UDC: 577.42+591.128.599.32
26
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ACC NR: AP5025672

ferent energy expenditures. Golden hamsters (hibernators) demonstrated higher rates of heat production, more pronounced shivering, and greater resistance to cooling than other species. The capacity of a species for spontaneous reanimation is only partly determined by the depth of hypothermia and the temperature of the surroundings. Experimental results showed that white rats and mice with a body temperature of 19C cannot revive spontaneously; however, hamsters and field mice with an even lower body temperature (15C) can revive themselves. Orig. art. has: 4 figures and 1 table.

[JS]

SUB CODE: LS/ SUBM DATE: 27Feb65/ ORIG REF: 007/ OTH REF: 007/ ATD PRESS: 4133

BVK
Card 2/2

Rozhchenko, E.N.

FU

1021. ADOPTION OF THE MPK-1 MECHANIZED SUPPORT IN FACE WORKING.
Rozhchenko, E.N. (Ugol (Coal, Moscow), Sept. 1955, 15-17). An illustrated
description, with diagrams of its use in lignite working, is given of a
support consisting a plate 2 m long by 0.45 m wide which bears against the
roof end is supported near the back end by a hydraulic prop. The overall
height can be varied from 1.1 to 1.5 m. The supports are placed side by side
with the front of the roof plate overhanging an articulated scraper conveyor.
They are moved forward in turn by a separate hydraulic device. (L).

ROZHCHENKO, Ye.N.

Efforts of Karaganda coal miners to fu fill the seven year
plan. Ugol' 39 no.8:7-9 Ag '64. (MIRA 17:10)

1. Predsedatel' Karagindinskogo soveta narodnogo khozyaystva.

ROZHCHENKO, Ye. N., gornyy inzhener

The introduction of mechanized MPK-1 supports in bench cuts.
Ugol' 30 no.9:15-17 S'55. (MLRA 8:12)

1. Ayutinskoye shakhtoupravleniye
(Mine timbering) (Coal mines and mining)

KHRUSHCHEV, N.S.; PODGORNYY, N.V.; ZASYAD'KO, A.F.; RUDAKOV, A.P.; KAZANETS, I.P.; SHILIN, A.A.; MEL'NIKOV, N.V.; BURMISTROV, A.A.; SHEVCHENKO, V.V.; MAYAKOV, L.I.; ROZENKO, P.A.; KUZ'MICH, A.S.; ZADEMIDKO, A.N.; BRATCHENKO, B.F.; STRUYEV, A.I.; KRASNIKOVSKIY, G.V.; BOYKO, A.A.; KAGAN, F.Ya.; USKOV, A.A.; VLADYCHENKO, I.M.; TOPCHIYEV, A.V.; DEGTYAREV, V.I.; KHUDOSOVTSEV, N.M.; GRAFOV, L.Ye.; IVANOV, V.A.; KRATENKO, I.M.; GOLUB, A.D.; IVONIN, I.P.; SAVCHENKO, A.A.; ROZHCHENKO, Ya.N.; CHERNEGOV, A.S.; MARKELOV, M.N.; LALAYANTS, A.M.; GAPONENKO, F.T.; POLUEKTOV, I.A.; SKLYAR, D.S.; PONOMARENKO, N.F.; POTAPOV, A.I.; POLYAKOV, N.V.; SUBBOTIN, A.A.; POLSTYANOY, G.N.; TRUKHIN, P.M.; TKACHENKO, A.G.; OSTROVSKIY, S.B.; NYRTSEV, M.P.; DYADYK, I.I.; SHPAN'KO, T.P.; RUBCHENKO, V.P.

Kondrat Ivanovich Pochenkov; obituary. Sov. shakht. 11 no.9:
48 S '62. (MIRA 15:9)
(Pochenkov, Kondrat Ivanovich, 1905-1962)

ROZHCHENKO, A.Ya.; NEVIROVSKIY, A.Ya.; DEMENT'YEV, V.T.

Experience in calcium carbide production in a sugar factory.
Sakh.prom.30 no.5:49-52 *Myr '56. (MLRA 9:9)

1.Berdichevskiy rafinadnyy zaved.
(Electric furnaces) (Calcium carbide)

ROZHDAYEV, V.I.; SILAYEV, A.M.; IVKIN, N.; PRIYMA, O.; TITOK, V.;
ROMANOVSKIY, A.B.; KHERUVIMOV, V.P.

Brief news. Veterinariia 42 no.11:121-126 N '65. (MIRA 19:1)

1. Sekretar' obshchestvennogo redaktsionnogo soveta zhurnala
"Veterinariya" (for Rozhdayev).

ACC NR: AP6017584

(A)

SOURCE CODE: UR/0256/65/000/012/0031/0034

AUTHOR: Rozhdenkin, B. P. (Colonel)

ORG: none

TITLE: Unremitting attention to the training of aerial gunners

SOURCE: Vestnik protivovozdushnoy oborony, no. 12, 1965, 31-34

TOPIC TAGS: aerial gunnery, training procedure, gunner training

ABSTRACT: General approaches necessary to improve the performance of aerial gunners are reviewed. On the whole, in the past year the combat and in-training performance of aerial gunners has not been bad but improvements are necessary to meet present day requirements. Existing shortcomings can be traced to inadequate training. Training of gunners and their officers must be intensive and broad. Officers must undergo training which includes mathematics, physics and the theory of rocketry. They must also have appropriate training in tactics and their mental outlook must be broadened. Programmed gunnery exercises, with visual aids, under simulated combat conditions, including simulated nuclear attacks, have proven to be very effective training methods. Political and party organizations are called upon to make their contributions to the training of gunners and rocketeers.

SUB CODE: 19,15/ SUBM DATE: none

Card 1/1

ROZHENKO, O.I., assistant

Experimental data on effect of artificially induced anemia on uterine contraction. Ped., akush. i gin. 19 no.6:53-55 '57. (MIRA 13:1)

1. Kafedra akusherstva i ginekologii (zav. - prof. L.B. Teodor) i kafedra normal'noy fiziologii (zav. - prof. Ya.D. Kirshentlat) Chernovetskogo meditsinskogo instituta (dir. - dots. M.M. Kovalev).
(ANEMIA) (UTERUS)

Rozhdestvenskaya, A.A.

3(5) P.2

PHASE I BOOK EXPLOITATION

SOV/2938

Akademiya nauk SSSR. Bashkirskiy filial. Gorno-geologicheskiy institut

Voprosy geologii i neftenosnosti devonskikh otlozheniy Zapadnoy Bashkirii i
smezhnykh oblastey; materialy nauchnoy sessii... (Problems in the Geology
and Oil-Bearing Possibilities of the Devonian Sediments of Western
Bashkirya and Adjacent Provinces; Papers at a Scientific Session...) Ufa,
1958. 137 p. 750 copies printed.

Ed.: V. V. Sidorov; Tech. Ed.: I. G. Shafin; Editorial Board: S. N. Krauze
(Resp. Ed.), M. F. Mikryukov, I. S. Ogarinov, A. I. Olli, L. N. Rozanov,
K. R. Timergazin, and A. P. Tyazheva.

PURPOSE: The book is intended for petroleum geologists.

COVERAGE: This book contains papers on the petroleum geology of Bashkirya.
These papers were originally read at a conference held in Ufa on December
23-25, 1957. Individual reports discuss the stratigraphy, lithology, geo-
chemistry, tectonic structure, and oil-bearing capacities of the Devonian
sediments in Bashkirya and adjacent regions. No references are given.

Card 1/4

Problems in the Geology (Cont.)

SOV/2938

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Problems in the Geology (Cont.)

SOV/2938

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AVAILABLE: Library of Congress (TN874.R9A5675)

Card 4/4

MM/1sb
12-21-59

DE
ROZHDESTVENSKAYA, A. A.

ROZHDESTVENSKIY, N. A., and ROZHDESTVENSKAYA, A. A. "Testing the Resistance of Various Varieties of Potato to Phytophthora," Biulleten' VII Vsesoiuznogo S'ezda po Zashchite Rastenii v Leninsrade 15-23 Noiabria 1932 Goda, no. 6, pp. 12-13. 423.92 V96

SO: SIRA SI 90-53, 15 Dec. 1953

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001445710005-4

ROZDESTVENSKAIA, E.

PANFILOV, A. and E. ROZDESTVENSKAIA, eds. Sverdlovsk: Kollektivnyi trud uchenykh, pisateli, zhurnalistov i krasavцов. Sverdlovskoe obl. gos. izd-vo, 1946.

DLC: DR/1.38/P3

SO: LC, Soviet Geography, Part II, 1951, Unclassified

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001445710005-4"

ROZHDESTVENSKA Ya. A.

Rozhdestvenska, A.A.

"Stratigraphy and Fauna of Lower and Upper Volga Deposits in the Vicinity of the City of Orlovka (Saratov on the Left Bank of the Volga)." Cand Geol-Min Sci, Inst of Geological Sciences, 29 January 1954. (Vch- Vechernaya Moskva 20 January 1954)

SC: SUR 163, 22 July 1954

IVANCHENKO, G.Z.; ROZHDESTVENSKAYA, A.A.

Phytophthora-resistant varieties and hybrids of potatoes. Trudy
VNIISP no.4:42-51 '54. (MIRA 8:12)
(Potatoes--Varieties)

Rozhdestvenskaya, A.A.
USSR/Geology

Card 1/1 Pub. 22 - 27/40

Authors : Rozhdestvenskaya, A. A.

Title : Upper boundary of the Givetian stage in western Bashkir according to the ostracoda fauna

Periodical : Dok. AN SSSR 99/3, 439-440, Nov 21, 1954

Abstract : A list of ostracoda fauna, found in the Givetian deposits in western Bashkir, is presented. The geological process of the upper boundary of the Givetian stage in the Bashkir country is explained. Six USSR references (1906-1953).

Institution: Academy of Sciences USSR, Bashkir Branch, Mining-Geological Institute

Presented by: Academician S. I. Mironov, July 24, 1954

L 9100-65

EWT(m)/EPT(c)/EWP(j)/T

Po-4/Pr-4

ASD(p)-3/RAEM(i)

DJ/RM

ACCESSION NR: AT3001316

S/2933/63/005/000/0213/0218

AUTHOR: Krol', B. B.; L. G. Zherdeva; Z. I. Rozanova; A. A. Rozhdestvenskaya B

TITLE: Effect of organic sulfur compounds on the stability of transformer oil from sulfur-containing crudes

SOURCE: AN SSSR. Bashkirskiy filial. Khimiya seraorganicheskikh soyedineniy soderzhashchikhsya v neftyakh i nefteproduktakh, v. 5, 1963, 213-218

TOPIC TAGS: oil, transformer oil, organic sulfur, sulfoxide, oil stability, sulfurous crude oil, antioxidant, phenyldecyldisulfide, tetradecyldisulfide, furfural refining, phenol

ABSTRACT: Narrow fractions of transformer oil containing organic sulfur compounds of different types, with a total sulfur concentration of 6-10% were investigated for anti-oxidant activity; these included fractions in which the organosulfur compounds consisted of 80-90% sulfide, fractions without sulfide sulfur, and fractions with sulfoxides. The effect of individual organosulfur additives with different structures on the susceptibility to oxidation was also investigated. The physico-chemical properties (density, birefringence, dispersion, molecular weight) of the additive fractions are tabulated. Stability data show that the natural sulfur compounds consisting mostly of sulfides are effective antioxidants.

1/3

Card

L 9100-65

ACCESSION NR: AT3001316

7

especially with respect to suppressing the formation of acid products in the initial stage of oxidation. Sulfoxides (thiophanes) are also effective antioxidants. The effect of synthetic organic sulfur compounds on the stability of the hydrocarbons was investigated on the same transformer oil samples. The addition of 0.5-1% decylthiophane, for example, increased the stability considerably, giving the same effect as the sulfoxide fraction. A decrease in the number of aromatic nuclei in the sulfide radical or the substitution of the aromatic nucleus by cyclohexyl increased the activity of the sulfide. Phenyldecyl sulfide and tetralyl-decyl sulfide produced the same results. The most effective antioxidant was found to be cyclohexyldecyl sulfide, i.e. a sulfide with both aliphatic and naphthalene radicals. After adding 1% cyclohexyldecyl sulfide to the oil, no sediment was found in the oxidized oil, and the acid number was 0.05-0.09 mg KOH/g. The stability of transformer oil depending on the method of refining (furfural, phenol) and the content of natural and sulfide sulfur is shown by tabulated data. Oils with a high sulfide content are more stable than those containing small amounts of sulfide, such as oils obtained by phenol extraction. Furfural-refined oils containing a large amount (62-65%) of sulfide sulfur (calculated for total sulfur content) are very stable. "The organic sulfur compounds were synthesized at the Kafedra khimii nefti MGU im. M. V. Lomonosova (Department of Petroleum Chemistry, Moscow State University). Part of the experimental work was done by F. G. Sidlyaronok, Ye. V. Voznesenskaya, F. S. Yakobi and V. I. Kutukova." Orig. art. has 6 tables.

2/3

C-1-G

L-9100-65

ACCESSION NR: AT3001316

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva (All-Union Scientific Research Institute for the Refining of Petroleum and Gas and the Preparation of Synthetic Liquid Fuel)

SUBMITTED: 00

ENCL: 00

SUB CODE: FP, OC

NO REF SOV: 006

OTHER: 003

3/3

Card

ACCESSION NR: AP4036980

S/0065/64/000/005/0039/0043

AUTHOR: Krol', B. B.; Rozhdestvenskaya, A. A.; Kucheryavaya, N. N.

TITLE: Investigation of sulfur compounds contained in transformer oils.

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 5, 1964, 39-43

TOPIC TAGS: transformer oil, sulfur, sulfur containing compound, analysis, phenolic purification, chromatographic analysis, bithiocyclane, trithiocyclane, monocyclic sulfide, aliphatic sulfide, substituted alkylthiophane, benzothiophene derivative, bithionaphthene, trithionaphthene

ABSTRACT: The sulfur compounds in transformer oils obtained from Novo-Ufimsk NPZ sulfurous petroleums after phenolic purification were chromatographically adsorbed and partially identified. About 20-25% of the sulfurous compounds and about 33% of the antioxidant-imparting sulfides remain in the oil after phenolic purification. These were concentrated by adsorption on silica gel and alumina and oxidized collectively with H₂O₂ in acetic acid. The physical-chemical properties of the sulfurous components indicated they were bithiocyclanes and mixtures of bi- and trithiocyclanes. No monocyclic or aliphatic sulfides nor tri- or tetra-

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ACCESSION NR: AP4036980

substituted alkylthiophanes were found. In addition to the bi- and tricyclic sulfides there were also some unsaturated sulfur compounds--derivatives of benzothiophenes--which could not be separated because of their close properties to the aromatic hydrocarbons. "G. A. Savitskaya participated in the experimental work." Orig. art. has: 4 tables.

ASSOCIATION: VNII NP

SUBMITTED: 00 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: FP, GC / NO REF SOV: 006 OTHER: 001

Card 2/2

SIDLYARONOK, F.G.; ZHERDEVA, L.G.; ROZHDESTVENSKAYA, A.A.; DETUSHEVA,
E.P.; SLAEKOVSKAYA, O.A.

Using the extracts of phenol purification as plasticizer fillers
for synthetic rubbers. Trudy VNII NP no. 9:52-67 '63.
(MIRA 17:6)

KROL', B.B.; ROZHDESTVENSKAYA, A.A.; KUCHERYAVAYA, N.N.: Prinimali uchastye: SAVITSKAYA, G.A.

Studying the sulfur compounds in transformer oil. Khim. i tekhn. topl. i masel 9 no.5:39-43 5 My'64 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topiva (for all except Savitskaya).

SOKOLOV, Yu.N. (Moskva, Volokolamskoye shosse, d.1, kv.218); ROZHESVENSKAYA,
A.I. (Moskva, tsentr, ulitsa Kirova, d.13, kv.30)

X-ray diagnosis of benign tumors and cysts of the diaphragm.
(MIRA 17:7)
Vop. onk. 10 no.2:3-3 '64.

1. Iz II kafedry rentgenologii i meditsinskoy radiologii (zav.-
prof. Yu.N. Sokolov) Tsentral'nogo instituta usovershenstvovaniya
vrachay (dir.- M.D. Kovrigina) i rentgenologicheskogo otdeleniya
(zav.- G.A. Kotash) Gorodskoy bol'nitsy No.50 (glavnnyy vrach-N.P.
Brusova.)

KROL', B.B.; ROZANOVA, Z.I.; ROZHDESTVENSKAYA, A.A.

Study of the fractions of sulfur-containing compounds from
the Tuymazy petroleum distillate boiling at 300-400°C. Khim.
i tekhn. topl. i masel 8 no.5:26-31 My '63. (MIRA 16:8)

ROZHDESTVENSKAYA, A.A.

Ostracods in the calceolate layers of the western slope of the southern Urals and western Bashkiria. Dokl. AN SSSR 149 no.4: 935-937 Ap '63. (MIRA 16:3)

1. Gorno-geologicheskiy institut Bashkirskogo filiala AN SSSR.
Predstavleno akademikom A.L.Yanshinyem.

(Ural Mountain region—Ostracoda, Fossil)
(Bashkiria—Ostracoda, Fossil)

L 10225-63

EPF(c)/EWT(m)/BDS--AFFTC/ASD/APGC--Pr-4--RM/BW/MAY/MN/WW

ACCESSION NR: AP3000502

S/0065/63/000/005/0026/0031

AUTHOR: Krol', B. B.; Rozanova, Z. I.; Rozhdestvenskaya, A. A.70
68TITLE: Study of fractions of sulfur compounds from the 300-400°C distillate of Tuymazy petroleum //

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 5, 1963, 26-31

TOPIC TAGS: sulfur compounds, 300-400°C distillate, Tuymazy petroleum, sulfide, benzo-thiophenes, thiophenes, oxidation stability, transformer O.I., oxidation inhibitors, chromatography

ABSTRACT: Fractions of sulfur compounds were separated from extracts obtained in purifying distillate with phenol in the Novo-Ufimskiy NPZ. The extracts were dewaxed and resolved by chromatography on silica gel and aluminum oxide. Sulfides were separated from other sulfur compounds by oxidation with hydrogen peroxide. The narrow fractions obtained contained up to 10% S and had molecular weights in the range 230-260. Their physical and chemical properties indicate that the distillate studied contains benzo-thiophenes and thiophanes. The fractions isolated including sulfoxides were compared with synthetic sulfides and thiophenes in their effect on the oxidation stability of transformer O.I. Both natural and synthetic

Card 1/2

L 10225-63
ACCESSION NR: AP3000502

2
|| ✓
sulfides are oxidation inhibitors while benzethiophene derivatives are ineffective.
Orig. art. has: 1 flow diagram and 3 tables.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQD: 12Jun63

ENCL: 00

SUB CODE: CH

NO REF SOV: 006

OTHER: 005

kes/lb
Card 2/2

TYAZHEVA, Aleksandra Pavlovna; ROZHDESTVENSKAYA, Anna Abramovna;
CHIBRIKOVA, Yevgeniya Vasil'yevna; OLLI, A.I., doktor geol-
miner. nauk, prof., otv. red.; MIRAKOVA, L.V., red. izd-va;
MISHINA, R.L., red. izd-va; UL'YANOVA, O.G., tekhn. red.

[Brachiopoda, Ostracoda, and spores of the Middle and Upper
Devonian in Bashkiria] Brachiopody, ostrakody i spory srednego
i verkhnego devona Bashkirii. [By] A.P.Tiazheva i dr. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 477 p. (MIRA 16:2)
(Bashkiria--Paleontology, Stratigraphic)

S/081/62/000/021/047/069
B171/B101

AUTHORS: Krol', B. B., Zherdeva, L. G., Rozanova, Z. I.,
Rozhdestvenskaya, A. A.

TITLE: Effects of sulfur compounds on the stability of transformer oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1962, 404, abstract
21M146 (Novosti neft. i gaz. tekhn. Neftepererabotka i
neftekhimiya, no. 1, 1962, 9-13)

TEXT: Extracts obtained in the solvent refining of transformer distillates yield a sulfurous fraction containing sulfides. It has been shown that this fraction can be effective as an antioxidant for phenol-refined transformer oils. Some individual sulfur compounds were tested: cyclohexyl decyl sulfide and decyl thiophane were found to be efficient inhibitors. Furfural-refined oils were found to contain the largest proportion of the sulfide sulfur (62-65% of the total sulfur content), which appears to be one of the main factors of stability to oxidation of these oils. When the sulfurous crude petroleum is used to prepare the

Card 1/2

Effects of sulfur compounds ...

S/081/62/000/021/047/069
B171/B101

transformer oil, the authors recommend to adjust the refining conditions
in order to leave ~0.5% of sulfide sulfur in the finished product.
[Abstracter's note: Complete translation.]

Card 2/2

ROZHDESTVENSKAYA, A.A.

Stratigraphic correlation of middle Devonian sediments in the
Fedorovka region of western Bashkiria based on ostracods.

Vop. geol. vost. okr. Rus. pltaft. i IUzh. Urala no.4:153-156

1959.

(MIRA 14:6)

(Fedorovka region (Western Bashkiria—Geology, Stratigraphic)

CHIBRIKOVA, Ye.V.; ROZHDESTVENSKAYA, A.A.; OBOLENTSEV, R.D., prof.,
doktor khim.nauk, glavnnyy red.; OLLI, A.I., doktor geol.-
miner.nauk, otv.red.; CHEPIKOVA, I.M., red.izd-va; ASTAF'YEVA,
G.A.. tekhn.red.

[Materials on the paleontology and stratigraphy of Devonian
and older deposits of Bashkiria] Materialy po paleontologii
i stratigrafiyi devonskikh i bol'se drevnikh otlozhenii Bashkirii.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 246 p. (MIRA 13:1)
(Bashkiria--Paleontology, Stratigraphic)

ROZHDESTVENSKAYA, A.A.

Stratigraphic division of the Devonian in western Bashkiria on the
basis of ostracods. Vop. geomorf. i geol. Bashk. no.1:85-89 '57.
(Bashkiria—Geology, Stratigraphic) (Ostracoda, Fossil) (MIRA 11:4)

TYAZHEVA, A.P.; MIKRYUKOV, M.F.; ROZHDESTVEINSKAYA, A.A.; OLLI, A.I.,
otv.red.; SHOROKHOVA, L.I., red.izd-va; PERSHINA, Ye.G.,
red.izd-va; GOLUB', S.P., tekhn.red.

[Devonian sediments in Bashkiria] Devonskie otlozheniya Bashkirii.
Moskva. Pt.1. [Stratigraphy]. Stratigrafiia. 1961. 250 p.
(MIRA 14:4)

1. Akademiya nauk SSSR. Bashkirski filial. Gorno-geologicheskiy
institut.
(Bashkiria--Geology, Stratigraphic)

ROZENSHTRAUKH, L.S.; KOCHETKOVA, A.G.; ROZHDESTVENSKAYA, A.I.; STETSYUK, A.G.

Angiography in benign pulmonary tumors. Trudy TSIU 62:140-155 '63.
(MIRA 18:3)

1. II kafedra klinicheskoy khirurgii (zav. prof. B.K.Osipov)
i II kafedra rentgenologii (zav. prof. Yu.N.Sokolov) TSentral'nogo
instituta usovershenstvovaniya vrachey.

RCZHDESTVENSKAYA, A. I.; GUREVICH, L. A.; VINNER, M. G.

X-ray diagnosis of hamartomas of the lungs; one observation. Vop.
onk. 8 no. 5:104-106 '62. (MIRA 15:7)

1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. -
prof. Yu. N. Sokolov) TSentral'nogo instituta usovershenstvo-
vaniya vrachey (dir. - M. D. Kovrigina) i rentgenovskogo
otdeleniya (zav. - M. D. Ryapolova) Moskovskoy gorodskoy klini-
cheskoy bol'nitsy No. 50 (glav. vrach - N. P. Brusova)

(LUNGS-TUMORS)

KAZNACHEY, B.Ya.; BALASHOVA, N.N.; ROZHDESTVENSKAYA, A.K.

Electrodeposition of nickel from sulfamine electrolytes with low
internal voltages. Trudy VNAIZ no.9:157-168 '61. (MIRA 15:9)
(Nickel—Plating) (Phonorecords)

S/137/62/000/009/025/033
A006/A101

AUTHORS: Kaznachey, B. Ya., Balashova, N. N., Rozhdestvenskaya, A. K.

TITLE: Electrodeposition of nickel with low internal stresses out of sulfamic electrolytes

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 9, 1962, 122, abstract 9I791 ("Tr. Vses. n.-i. in-ta zvukozapisi", 1961, no. 9, 157 - 168)

TEXT: Internal stresses in Ni deposits obtained out of sulfamic electrolytes without admixtures, are much lower (by 1,000 - 2,000 kg/cm²) than in deposits obtained from sulfuric acid electrolytes. In this connection sulfamic electrolytes are recommended for galvanoplastics and precipitation of thick Ni deposits. Contamination of sulfamic electrolytes with mechanical organic and metallic impurities increases internal stresses. A method is mentioned for electrolyte refining. Internal stresses in Ni deposits obtained in sulfamic electrolytes increase with higher D_c and pH of the electrolyte and decrease at elevated temperatures. The considerable proneness to pitting in sulfamic electrolytes is explained by high surface tension of the electrolyte (as compared to sulfuric

Card 1/2

S/137/62/000/009/025/033

A006/A101

Electrodeposition of nickel with...

acid electrolyte). The addition of 0.1 - 1.0 g/l Na-laurylsulfate (I) reduces surface tension and eliminates pitting. (I) can be well combined with admixtures to reduce internal stresses. Hydrolysis of sulfamic electrolytes increases internal stresses in Ni-deposits. Refining of sulfamic electrolytes from SO_4^{2-} ions may be performed by $\text{Ba}(\text{OH})_2$ precipitation. There are 17 references.

Authors' summary

[Abstracter's note: Complete translation]

Card 2/2

ROZHDESTVENSKAYA, G.

Q-2

USSR/Farm Animals. Horses.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30903
Author : Rozhdestvenskaya G., Grigor'yev N.
Inst :
Title : The Problem of the Periods of Growth and Development of
Young Horses.
(K voprosu o periodakh rasta i razvitiya konskogo molod-
nyaka).
Orig Pub : Konevodstvo, 1957, No 9, 32-36.
Abstract : As a result of the studies carried out at an experimental
stud on the foals of the Orel Trotter breed, of the
Russian Heavy-Draft breed, and of the Budenny breed,
three periods during one year of postembryonic develop-
ment were distinguished. The first period (from birth to
3 months of age) is characterized by an intensive increa-
se in measurements of the body, and a high protein con-
tent in the blood serum. In the Orel Trotter and in the

Card 1/2

- 9 -

USSR/Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92514.

Author : Rozhdestvenskaya, G.A.
Inst : The All-Union Scientific Research Institute for Horse
Raising.

Title : Some Growth Characteristics of the Tubular Bones in
Foals of Various Breeds from Birth to One Year of
Age.

Orig Pub: Byul. nauchno-tekhn. inform. Vses. n.-i. in-t.
konevodstva, 1957, No 3, 20-27.

Abstract: The skeletons of one year old foals belonging to
the Orlov trotting, Russian heavy-draught and Budennov
saddle horse breeds were examined by X-ray one a
month. The nature of the growth in various parts of

Card : 1/3

USSR/Farm Animals. Horses.

Q

Abs Jour: Ref Zhur-Biol., No 20, 1956, 9251⁴.

the skeleton was determined. It was established that during the first year of life the growth of the long bones in both width and in thickness is greater than the growth lengthwise. During this period the width of the diaphysis increases more than its thickness, and the transverse section of the bone becomes oval. The change in the shape and direction of growth of the compact substance of the bone is proof of an increase in pressure exerted on its lateral walls. The growth of the metapodium can be divided into 3 periods. During the lactation period the growth is most intensive. During the period when foals change to vegetable food the diaphysis of the bones forms actively. During the third period the growth of bones in width is considerably greater than their growth

Card : 2/3

14

Pozharskaya, S. G., Cand Med Sci - (diss) "On the chemical factors
of neural stimulation during various states of schizophrenia," Kharkov,
1960, 12 pp (Kharkov State Medical Institute).

(KL, 32-60, 111)

ROZHDESTVENSKAYA, I. D.

USSR/Chemistry - Hydrocarbons

1 Feb '51

"Hydrogenation and Dehydrogenation of Hydrocarbons in the Presence of Co Catalysts With a Low Metal Content," Kh. M. Minachev, N. I. Shuykin, I. D. Rozhdestvenskaya, Inst Org Chem, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXVII, No 4, pp 543-546

Activated carbon contg 0.5-4.0% Co after treatment with cobalt nitrate can be successfully used for hydrogenation of benzene to cyclohexane, alkenes to alkanes, and cyclenes to cyclanes. Under conditions used, Co is just as effective as Ni.

178T18

ROZHDESTVENSKAYA, I. D.

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CATALYST

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry.

Poisoning of platinum catalysts with low contents of active metal on a carrier in dehydrogenation catalysis. Kh. M. Minachev, N. I. Shulkin, and I. D. Rozhdestvenskaya. Bull. Acad. Sci. U.S.S.R., Div. Chem. Ser. 1954, no. 7. (Enzl. translation). — See C.A. 46, 10823e. H. L. H.

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Chem
9-2-57
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ROZHDESTVENSKAYA, I. D.

USSR/Chemstry - Liquid Fuels, Aromatization Jul/Aug 52

"Poisoning Under Conditions of Dehydrogenation Catalysis of Platinum Catalysts Having a Low Content of Active Metal on the Carrier," Kh. M. Minchayev, N. I. Shuykin, I. D. Rozhdestvenskaya, Inst of Org Chem, Acad Sci USSR "Iz Ak Nauk SSSR, Otdel Khim Nauk" No 4, pp 603-615

Found in the dehydrogenation of cyclohexane that the deg of poisoning of the catalysts investigated does not depnd on the compn of the sulfur compds which are responsible for poisoning: they all act in the same manner and their effect corresponds to that of an equiv amt of H₂S. The amt of organically combined sulfur which produces poisoning of the catalyst is proportional to the amt of platinum contained in the catalyst. Catalysts deposited on different carriers and poisoned by the same agent are regenerated in a different manner.

PA 229Tl3

ROZHDESTVENSKAVA, I. D.

Hydro- and dehydrogenation of hydrocarbons in the presence of ruthenium and rhodium catalysts with a low content of the metal. Kh. M. Minachev, N. I. Shulkin, and I. D. Rozhdestvenskaya (N. D. Zelinskii Inst. Org. Chem., Acad. Sci. U.S.S.R., Moscow). Izvest. Akad. Nauk S.S.R., Otdel. Khim. Nauk 1954, 338-43. The activity of 1% Ru-Al₂O₃, 1% Ru-C, 1% Rh-Al₂O₃, and 1% Rh-C catalysts was examined in hydrogenation and dehydrogenation reactions involving C₆H₆, cyclohexane, 1-methylcyclopentene, and 1-octene. Rh catalysts were active in dehydrogenation even at 300°, while at 340-60° they gave 92-5% yield of benzene; Ru was less active. In hydrogenation reactions both types were close to Pt in activity. For dehydrogenation of cyclohexane the activation energy of Rh-C was 10,800 cal./mole, with K_a 1.44×10^4 , while Ru-C had 30,200 and 1.77×10^4 , resp. X-ray examination of the catalysts showed that Ru-C gave only one weak band for $d = 2.06$ Å; Ru-Al₂O₃ gave $d = 2.12$, 1.91, and 1.37 Å. Rh-C gave only one weak band for $d = 2.04$ Å; Rh-Al₂O₃ gave $d = 2.14$, 1.92, and 1.38 Å. In all cases the bands were wide, indicating high order of dispersion. G. M. Kosolapoff

BALANDIN, A.A.; ROZHDESTVENSKAYA, I.D.

Mechanism of cyclohexane dehydrogenation on a crystalline chromium
d-oxide. Izv.AN SSSR.Otd.khim.nauk no.11:1955-1961 N '61.
(MIRA 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cyclohexane) (Dehydrogenation)

BALANDIN, A.A.; ROZHDESTVENSKAYA, I.D. (Moscow)

Kinetic determination of the energy of the bond between H, D,
C, O and N, and zinc oxide. Zhur. fiz. khim. 34 no.4:872-879
Ap '60. (MIRA 14:5)

1. Akademiya nauk SSSR Institut organicheskoy khimii imeni N.D.
Zelinskogo. (Chemical bonds) (Zinc oxide)
(Dehydrogenation)

ROZHDESTVENSKAYA, I. D.

Cand Chem Sci - (diss) "Effect of activation and gas treatment on the catalytic properties of several oxide catalysts." Moscow, 1961. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow State Orders of Lenin and Labor Red Banner Univ imeni M. V. Lomonosov); 150 copies; free; (KL, 10-61 sup, 208)

84577

S/020/60/134/001/036/038/XX
B004/B064

5.1190(1231 only)
AUTHORS:

Balandin, A. A., Academician, Rozhdestvenskaya, I. D.,
and Slinkin, A. A.

TITLE:

Effect of the Treatment of Chromium Oxide Catalysts With
Gases Under Various Conditions Upon Their Catalytic and
Magnetic Properties

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 1,
pp. 110-113

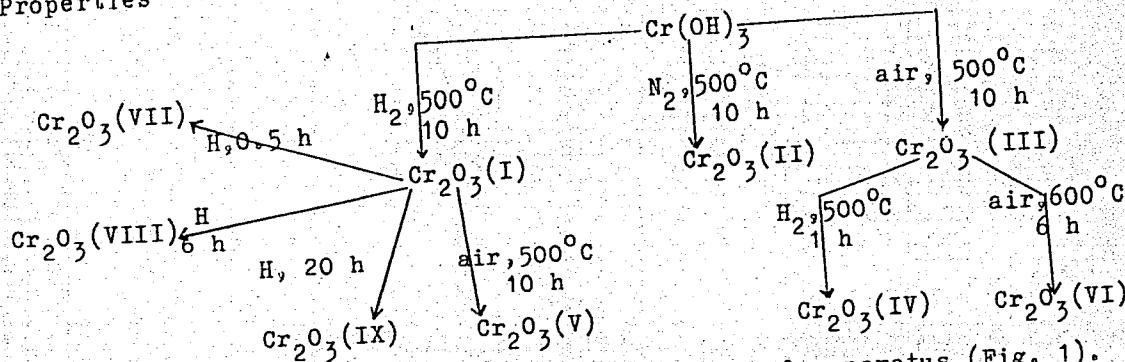
TEXT: The authors wanted to find a relation between the magnetic sus-
ceptibility χ and the catalytic properties in the Cr_2O_3 catalyst treated
by various methods. The chromium hydroxide prepared from chromium nitrate,
degree of purity "pro analysi", was treated as follows:

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Effect of the Treatment of Chromium Oxide Catalysts With Gases Under Various Conditions Upon Their Catalytic and Magnetic Properties



Cr_2O_3 was treated with atomic hydrogen in a special apparatus (Fig. 1). H formed in vacuum at a voltage of 10,000 - 12,000 v and 1 - 2 mm Hg, and was sucked through the Cr_2O_3 sample. Subsequently, catalysis was made in the same apparatus under the exclusion of air. Table 1 shows the temperature dependence of χ for the various Cr_2O_3 preparations.

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Effect of the Treatment of Chromium Oxide
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tions Upon Their Catalytic and Magnetic
Properties

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No. of sample	$\chi \cdot 10^6$				Δ^o, K	μ_B	No. of sample	$\chi \cdot 10^6$			
	20°C	50°C	80°C	160°C				20°C	50°C	80°C	160°C
I	24.0	25.3	24.4	23.3			VI	24.4	25.2	23.4	23.0
II	23.0	25.0	23.6	22.9			VII	92.0	-	-	-
III	340.0	-	-	-			Ia	96.0	-	-	-
IV	28.0	-	25.8	24.0	500	3.7	IIa	21.8	-	22.1	20.8
V	22.8	24.3	23.3	22.8							

The samples Ia and IIa were prepared from impure Cr_2O_3 . The ferromagnetism of sample Ia is caused by impurities. The ferromagnetism of III is, however, not due to impurities and occurs only when Cr_2O_3 is treated with air at 600°C. The authors assume that CrO_2 forms in low yields. This new phase could, however, not be confirmed by X-ray- and electron diffraction pictures. Table 2 gives the results of the catalytic decomposition of isopropanol and the dehydrogenation of cyclohexane by means of the samples.

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Effect of the Treatment of Chromium Oxide
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Different activity, selectivity, and activation energy were found to exist. The dehydrogenation of C_6H_{12} was reduced both in the ferromagnetic sample III and the antiferromagnetic sample IX, and the dehydration of $i-C_3H_7OH$ increased. Herefrom, the authors infer the presence of hydroxyl groups on the catalyst surface. Their origin is, for IX, explained by the chemisorption of atomic H, for III by the interaction of CrO_2 with H_2 forming at the beginning of the reaction. The inactivation of sample I by treatment with water vapor and subsequent regeneration with H_2 at 500°C confirmed the inhibiting effect of the OH group upon the dehydrogenation of C_6H_{12} . The authors came to the result that it is not possible to draw conclusions from the magnetic and electrical properties upon the surface structure that determines the catalytical properties only. There are 1 figure, 2 tables, and 13 references: 5 Soviet, 5 US, 3 British, and 2 German.

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Effect of the Treatment of Chromium Oxide
Catalysts With Gases Under Various
Conditions Upon Their Catalytic and Magnetic
Properties

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ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii
nauk SSSR
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the Academy of Sciences, USSR)

SUBMITTED: May 17, 1960

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